

2D S-Well

Target #	Type	TVD	MD	VS	+N/S-	+E/W-	Radius	Parameters: KOP 1000', 2°/100ft Build/Drop Sail 15°				
PBHL	Radius	6000.12	0.00	0.00	683.53	335.82	25.00					
MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				SHL	
1000.00	1000.00	0.00	26.17	1000.00	0.00	0.00	0.00	0.00	2.62	0.00	KOP: Build 2°/100ft	
1750.00	750.00	15.00	26.17	1741.46	97.62	87.61	43.04	2.00	0.00	2.00	Hold 15°	
3938.17	2188.17	15.00	26.17	3855.07	663.96	595.92	292.78	0.00	0.00	0.00	Drop: 2°/100ft	
4688.17	750.00	0.00	26.17	4596.53	761.57	683.53	335.82	-2.00	0.00	2.00	Hold at 0°	
6091.76	1403.59	0.00	26.17	6000.12	761.58	683.53	335.82	0.00	0.00	0.00	BHL	

3D Vector Entry from Prior Target

Target #	Type	TVD	MD	VS	+N/S-	+E/W-	Radius	Parameters: 4°/100ft max DLS			
PBHL	Radius	6000.12	0.00	0.00	683.53	335.82	25.00				
PBHL #2	Radius	8000.00	0.00	0.00	1250.34	1132.53	25.00				Hit Target at 12.23° inc and 44.35° azi
PBHL 3D	Radius	10000.00	0.00	0.00	2000.53	-100.23	25.00				Hit Target at 83.00° inc and 310.00° azi
MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				SHL
1000.00	1000.00	0.00	26.17	1000.00	0.00	0.00	0.00	0.00	2.62	0.00	KOP: Build 2°/100ft
1750.00	750.00	15.00	26.17	1741.46	97.62	87.61	43.04	2.00	0.00	2.00	Hold 15°
3938.17	2188.17	15.00	26.17	3855.07	663.96	595.92	292.78	0.00	0.00	0.00	Drop: 2°/100ft
4688.17	750.00	0.00	26.17	4596.53	761.57	683.53	335.82	-2.00	0.00	2.00	Hold at 0°
6091.76	1403.59	0.00	26.17	6000.12	761.58	683.53	335.82	0.00	0.00	0.00	BHL
7017.10	925.34	37.02	55.32	6862.43	1013.66	847.76	573.21	4.00	3.15	4.00	Build to Tgt 2
7732.60	715.50	37.02	55.32	7433.73	1389.84	1092.83	927.45	0.00	0.00	0.00	
8360.10	627.50	12.23	44.35	7999.97	1621.66	1250.34	1132.54	-3.95	-1.75	4.00	PBHL Tgt 2 12.23°/44.35°
9141.70	41.70	23.02	281.71	8760.54	1663.17	1342.86	1038.41	1.38	-15.69	4.00	Build to Tgt3
9494.40	94.40	23.02	281.71	9085.15	1628.72	1370.84	903.34	0.00	0.00	0.00	
11069.40	69.40	83.00	310.00	10000.00	1751.24	2000.51	-100.21	3.81	1.80	4.00	PBHL 83.00°/310.00°

Shown are two example well plans using TL LONGBOW Well Planning algorithms.

The first is a simple 2D S-Well Plan.

The second is a 3D Vector-Entry (3D S-Well) from the ending point of the 2D Well Plan. Specified are not only the TVD, NS, and EW (point) conditions, but also the Inclination and Azimuth at point of entry. This is perhaps the most rigorous test for any software's planning algorithms.

Plans are provided so that users may benchmark against any competitor. We welcome the opportunity to go head-to-head against any software package on the market.

